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*OP=ADJ*

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glutathione-S-transferase? or glutathione adj sulfotransferase or  
maltose adj binding adj protein? or glutathione adj reductase?) and  
(termin\$ same fus\$)

12 L7

L6	<u>5856126.pn.</u>	2	L6
L5	5744584.pn.	2	L5
L4	5342830.pn.	2	L4
L3	5856126.pn.	2	L3
L2	<u>skpdnpgeda</u>	0	L2
L1	<u>5888763.pn. or 6329209.pn.</u>	4	L1

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## Search Results - Record(s) 1 through 12 of 12 returned.

## 1. Document ID: US 20030157113 A1

L7: Entry 1 of 12

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030157113

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030157113 A1

TITLE: Compositions and methods for treatment of neoplastic disease

PUBLICATION-DATE: August 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Terman, David S.	Pebble Beach	CA	US	

US-CL-CURRENT: 424/184.1; 435/346[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Backend](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachments](#)[Full](#) | [Citation](#) | [Image](#)

## 2. Document ID: US 20030148490 A1

L7: Entry 2 of 12

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030148490

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030148490 A1

TITLE: Epoxide hydrolases, nucleic acids encoding them and methods for making and using them

PUBLICATION-DATE: August 7, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zhao, Lishan	Carlsbad	CA	US	
Mathur, Eric J.	Carlsbad	CA	US	
Weiner, David	Del Mar	CA	US	
Richardson, Toby	San Diego	CA	US	
Milan, Aileen	San Diego	CA	US	
Burk, Mark J.	San Diego	CA	US	
Han, Bin	San Diego	CA	US	
Short, Jay M.	Rancho Santa Fe	CA	US	

US-CL-CURRENT: 435/196; 435/320.1, 435/325, 435/69.1, 536/23.2[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Backend](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachments](#)[Full](#) | [Citation](#) | [Image](#)

## \_J 3. Document ID: US 20030148443 A1

L7: Entry 3 of 12

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030148443

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030148443 A1

TITLE: Epoxide hydrolases, nucleic acids encoding them and methods of making and using them

PUBLICATION-DATE: August 7, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zhao, Lishan	Carlsbad	CA	US	
Mathur, Eric J.	Carlsbad	CA	US	
Weiner, David	Del Mar	CA	US	
Richardson, Toby	San Diego	CA	US	
Milan, Aileen	San Diego	CA	US	
Burk, Mark J.	San Diego	CA	US	
Han, Bin	San Diego	CA	US	
Short, Jay M.	Rancho Santa Fe	CA	US	

US-CL-CURRENT: 435/69.1; 435/158, 435/196, 435/320.1, 435/325, 536/23.2

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## \_J 4. Document ID: US 20030143562 A1

L7: Entry 4 of 12

File: PGPB

Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: 20030143562

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030143562 A1

TITLE: Structurally biased random peptide libraries based on different scaffolds

PUBLICATION-DATE: July 31, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Anderson, David	San Bruno	CA	US	
Peelle, Beau Robert	Locust Valley	NY	US	
Bogenberger, Jakob Maria	San Francisco	CA	US	

US-CL-CURRENT: 435/6; 536/23.1, 702/20

Full	Title	Citation	Front	Reversal	Classification	Date	Reference	Sequence	Attachment	Print	Draw	Image
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## \_J 5. Document ID: US 20030113717 A1

L7: Entry 5 of 12

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030113717

PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20030113717 A1

TITLE: Directed evolution of novel binding proteins

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ladner, Robert Charles	Ijamsville	MD	US	
Guterman, Sonia Kosow	Belmont	MA	US	
Roberts, Bruce Lindsay	Milford	MA	US	
Markland, William	Milford	MA	US	
Ley, Arthur Charles	Newton	MA	US	
Kent, Rachel Baribault	Boxborough	MA	US	

US-CL-CURRENT: 435/6; 435/455, 435/7.2, 435/91.2

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↳ 6. Document ID: US 20020177551 A1

L7: Entry 6 of 12

File: PGPB

Nov 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020177551  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20020177551 A1

TITLE: Compositions and methods for treatment of neoplastic disease

PUBLICATION-DATE: November 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Terman, David S.	Pebble Beach	CA	US	

US-CL-CURRENT: 514/12; 435/325, 530/350

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↳ 7. Document ID: US 20020150881 A1

L7: Entry 7 of 12

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150881  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20020150881 A1

TITLE: Directed evolution of novel binding proteins

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ladner, Robert Charles	Ijamsville	MD	US	
Guterman, Sonia Kosow	Belmont	MA	US	
Roberts, Bruce Lindsay	Milford	MA	US	
Markland, William	Milford	MA	US	
Ley, Arthur Charles	Newton	MA	US	
Kent, Rachel Baribault	Boxborough	MA	US	

US-CL-CURRENT: 435/5; 435/235.1, 435/6, 435/7.1

Full  Title  Citation  Print  Email  Classification  Date  Reference  Sequence/ID  Attachment

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### 8. Document ID: US 6617114 B1

L7: Entry 8 of 12

File: USPT

Sep 9, 2003

US-PAT-NO: 6617114

DOCUMENT-IDENTIFIER: US 6617114 B1

TITLE: Identification of drug complementary combinatorial libraries

DATE-ISSUED: September 9, 2003

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fowlkes; Dana M.	Chapel Hill	NC		
Kay; Brian K.	Madison	WI		
Frelinger; Jeffrey A.	Chapel Hill	NC		
Hyde-Deruyscher; Robin Parish	Chapel Hill	NC		

US-CL-CURRENT: 435/7.1; 435/4, 435/5, 435/6, 435/DIG.14, 435/DIG.2, 435/DIG.27,  
435/DIG.9, 530/324, 530/325, 530/330, 530/350

Full  Title  Citation  Print  Email  Classification  Date  Reference  Sequence/ID  Attachment

Full  Print  Email  Classification

### 9. Document ID: US 5837500 A

L7: Entry 9 of 12

File: USPT

Nov 17, 1998

US-PAT-NO: 5837500

DOCUMENT-IDENTIFIER: US 5837500 A

TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: November 17, 1998

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert Charles	Ijamsville	MD		
Guterman; Sonia Kosow	Belmont	MA		
Roberts; Bruce Lindsay	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur Charles	Newton	MA		
Kent; Rachel Baribault	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/471, 435/91.1, 435/91.2, 530/350, 530/412, 536/23.4
 Full  Title  Citation  Front  Reference  Classification  Date  Sequence(s)  Attachments

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## 10. Document ID: US 5571698 A

L7: Entry 10 of 12

File: USPT

Nov 5, 1996

US-PAT-NO: 5571698

DOCUMENT-IDENTIFIER: US 5571698 A

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TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: November 5, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert C.	Ijamsville	MD		
Guterman; Sonia K.	Belmont	MA		
Roberts; Bruce L.	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur C.	Newton	MA		
Kent; Rachel B.	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/252.3, 435/320.1, 435/477, 435/6, 435/69.1
 Full  Title  Citation  Front  Reference  Classification  Date  Sequence(s)  Attachments

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## 11. Document ID: US 5403484 A

L7: Entry 11 of 12

File: USPT

Apr 4, 1995

US-PAT-NO: 5403484

DOCUMENT-IDENTIFIER: US 5403484 A

TITLE: Viruses expressing chimeric binding proteins

DATE-ISSUED: April 4, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert C.	Ijamsville	MD		
Guterman; Sonia K.	Belmont	MA		
Roberts; Bruce L.	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur C.	Newton	MA		
Kent; Rachel B.	Boxborough	MA		

US-CL-CURRENT: 435/235.1; 435/252.3, 435/320.1, 435/69.7, 530/350, 536/23.4
 Full  Title  Citation  Front  Reference  Classification  Date  Sequence(s)  Attachments

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## 12. Document ID: US 5223409 A

L7: Entry 12 of 12

File: USPT

Jun 29, 1993

US-PAT-NO: 5223409

DOCUMENT-IDENTIFIER: US 5223409 A

TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: June 29, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert C.	Ijamsville	MD		
Guterman; Sonia K.	Belmont	MA		
Roberts; Bruce L.	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur C.	Newton	MA		
Kent; Rachel B.	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/252.3, 435/320.1, 435/472, 435/5, 435/69.1, 530/387.3, 530/387.5

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SULFOTRANSFERASES	256
MALTOSE	25940
MALTOSES	39
BINDING	305728
BINDINGS	7733
STABILIZ\$	0
(STABILIZ\$ SAME (GROUP? OR MOIET\$) AND PROLINE? AND (THIOREDOXIN OR GLUTATHIONE-S-TRANSFERASE? OR GLUTATHIONE ADJ SULFOTRANSFERASE OR MALTOSE ADJ BINDING ADJ PROTEIN? OR GLUTATHIONE ADJ REDUCTASE?) AND (TERMIN\$ SAME FUS\$)).USPT,PGPB,EPAB,DWPI,TDBD.	12

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1: Sachdev D, Chirgwin JM. [Related Articles](#), [Link](#)  
**Solubility of proteins isolated from inclusion bodies is enhanced by fusion to maltose-binding protein or thioredoxin.**  
*Protein Expr Purif.* 1998 Feb;12(1):122-32.  
 PMID: 9473466 [PubMed - indexed for MEDLINE]

2: Sachdev D, Chirgwin JM. [Related Articles](#), [Link](#)  
**Order of fusions between bacterial and mammalian proteins can determine solubility in *Escherichia coli*.**  
*Biochem Biophys Res Commun.* 1998 Mar 27;244(3):933-7.  
 PMID: 9535771 [PubMed - indexed for MEDLINE]

3: Sachdev D, Chirgwin JM. [Related Articles](#), [Link](#)  
**Properties of soluble fusions between mammalian aspartic proteinases and bacterial maltose-binding protein.**  
*J Protein Chem.* 1999 Jan;18(1):127-36.  
 PMID: 10071937 [PubMed - indexed for MEDLINE]

4: Kapust RB, Waugh DS. [Related Articles](#), [Link](#)  
***Escherichia coli* maltose-binding protein is uncommonly effective at promoting the solubility of polypeptides to which it is fused.**  
*Protein Sci.* 1999 Aug;8(8):1668-74.  
 PMID: 10452611 [PubMed - indexed for MEDLINE]

5: Sachdev D, Chirgwin JM. [Related Articles](#), [Link](#)  
**Fusions to maltose-binding protein: control of folding and solubility in protein purification.**  
*Methods Enzymol.* 2000;326:312-21. No abstract available.  
 PMID: 11036650 [PubMed - indexed for MEDLINE]

6: Conner GE, Udey JA. [Related Articles](#), [Link](#)  
**Expression and refolding of recombinant human fibroblast procathepsin D.**  
*DNA Cell Biol.* 1990 Jan-Feb;9(1):1-9.  
 PMID: 2180427 [PubMed - indexed for MEDLINE]

7: Nomine Y, Ristriani T, Laurent C, Lefevre JF, Weiss F, Trave G. [Related Articles](#), [Link](#)  
**Formation of soluble inclusion bodies by hpv e6 oncoprotein fused to maltose-binding protein.**  
*Protein Expr Purif.* 2001 Oct;23(1):22-32.  
 PMID: 11570842 [PubMed - indexed for MEDLINE]

8: Jacquet A, Daminet V, Haumont M, Garcia I, Chaudoir S, Bollen A, [Related Articles](#), [Link](#)

Biemans R.

Expression of a recombinant *Toxoplasma gondii* ROP2 fragment as a fusion protein in bacteria circumvents insolubility and proteolytic degradation.  
Protein Expr Purif. 1999 Dec;17(3):392-400.  
PMID: 10600457 [PubMed - indexed for MEDLINE]

9: Hering TM, Kollar J, Huynh TD, Varelas JB. Related Articles. Link

Purification and characterization of decorin core protein expressed in *Escherichia coli* as a maltose-binding protein fusion.  
Anal Biochem. 1996 Aug 15;240(1):98-108.  
PMID: 8811884 [PubMed - indexed for MEDLINE]

10: Sun AL, Hua ZC, Yao J, Yang YH, Yin DQ. Related Articles. Link

Fusion expression of human pro-urokinase with *E. coli* thioredoxin.  
Biochem Mol Biol Int. 1998 Oct;46(3):479-86.  
PMID: 9818087 [PubMed - indexed for MEDLINE]

11: Sonezaki S, Kondo A, Oba T, Ishii Y, Kato Y, Nakayama H. Related Articles. Link

Overproduction and purification of Lon protease from *Escherichia coli* using a maltose-binding protein fusion system.  
Appl Microbiol Biotechnol. 1994 Nov;42(2-3):313-8.  
PMID: 7765772 [PubMed - indexed for MEDLINE]

12: Tanaka T, Yada RY. Related Articles. Link

Expression of soluble cloned porcine pepsinogen A in *Escherichia coli*.  
Biochem J. 1996 Apr 15;315 ( Pt 2):443-6.  
PMID: 8615812 [PubMed - indexed for MEDLINE]

13: Dolinar M, Maganja DB, Turk V. Related Articles. Link

Expression of full-length human procathepsin L cDNA in *Escherichia coli* and refolding of the expression product.  
Biol Chem Hoppe Seyler. 1995 Jun;376(6):385-8.  
PMID: 7576233 [PubMed - indexed for MEDLINE]

14: Pryor KD, Leiting B. Related Articles. Link

High-level expression of soluble protein in *Escherichia coli* using a His6-tag and maltose-binding-protein double-affinity fusion system.  
Protein Expr Purif. 1997 Aug;10(3):309-19.  
PMID: 9268677 [PubMed - indexed for MEDLINE]

15: Fox JD, Kapust RB, Waugh DS. Related Articles. Link

Single amino acid substitutions on the surface of *Escherichia coli* maltose-binding protein can have a profound impact on the solubility of fusion proteins.  
Protein Sci. 2001 Mar;10(3):622-30.  
PMID: 11344330 [PubMed - indexed for MEDLINE]

16: Zhao JH, Xu Z, Hua ZC. Related Articles. Link

Expression of human cardiac-specific homeobox protein in *Escherichia coli*.  
Protein Expr Purif. 2000 Apr;18(3):316-9.  
PMID: 10733885 [PubMed - indexed for MEDLINE]

17: Zhao G, Meier TI, Hoskins J, Jaskunas SR. Related Articles. Link

 Penicillin-binding protein 2a of *Streptococcus pneumoniae*: expression in *Escherichia coli* and purification and refolding of inclusion bodies into a soluble and enzymatically active enzyme.  
Protein Expr Purif. 1999 Jul;16(2):331-9.  
PMID: 10419829 [PubMed - indexed for MEDLINE]

**18:** LaVallie ER, DiBlasio EA, Kovacic S, Grant KL, Schendel PF, McCoy JM. Related Articles. [Link](#)

 A thioredoxin gene fusion expression system that circumvents inclusion body formation in the *E. coli* cytoplasm.  
Biotechnology (N Y). 1993 Feb;11(2):187-93.  
PMID: 7763371 [PubMed - indexed for MEDLINE]

**19:** di Guan C, Li P, Riggs PD, Inouye H. Related Articles. [Link](#)

 Vectors that facilitate the expression and purification of foreign peptides in *Escherichia coli* by fusion to maltose-binding protein.  
Gene. 1988 Jul 15;67(1):21-30.  
PMID: 2843437 [PubMed - indexed for MEDLINE]

**20:** Dickason RR, Edwards RA, Bryan J, Huston DP. Related Articles. [Link](#)

 Versatile *E. coli* thioredoxin specific monoclonal antibodies afford convenient analysis and purification of prokaryote expressed soluble fusion protein.  
J Immunol Methods. 1995 Sep 25;185(2):237-44.  
PMID: 7561134 [PubMed - indexed for MEDLINE]

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PMID: 9931301 [PubMed - indexed for MEDLINE]

28: Bach H, Mazor Y, Shaky S, Shoham-Lev A, Berdichevsky Y, Gutnick DL, Benhar I. Related Articles. Link  
Escherichia coli maltose-binding protein as a molecular chaperone for recombinant intracellular cytoplasmic single-chain antibodies. *J Mol Biol.* 2001 Sep 7;312(1):79-93.  
PMID: 11545587 [PubMed - indexed for MEDLINE]

29: Riggs P. Related Articles. Link  
Expression and purification of recombinant proteins by fusion to maltose-binding protein. *Mol Biotechnol.* 2000 May;15(1):51-63.  
PMID: 10911622 [PubMed - indexed for MEDLINE]

30: Sonezaki S, Ishii Y, Okita K, Sugino T, Kondo A, Kato Y. Related Articles. Link  
Overproduction and purification of SulA fusion protein in Escherichia coli and its degradation by Lon protease in vitro. *Appl Microbiol Biotechnol.* 1995 May-Jun;43(2):304-9.  
PMID: 7612249 [PubMed - indexed for MEDLINE]

31: Corchero JL, Viaplana F, Benito A, Villaverde A. Related Articles. Link  
The position of the heterologous domain can influence the solubility and proteolysis of beta-galactosidase fusion proteins in *E. coli*. *J Biotechnol.* 1996 Jul 31;48(3):191-200.  
PMID: 8861998 [PubMed - indexed for MEDLINE]

32: Dieryck W, Lullien-Pellerin V, Marion D, Joudrier P, Gautier MF. Related Articles. Link  
Purification and activity of a wheat 9-kDa lipid transfer protein expressed in Escherichia coli as a fusion with the maltose binding protein. *Protein Expr Purif.* 1995 Oct;6(5):597-603.  
PMID: 8535151 [PubMed - indexed for MEDLINE]

33: Aitken R, Gilchrist J, Sinclair MC. Related Articles. Link  
Vectors to facilitate the creation of translational fusions to the maltose-binding protein of Escherichia coli. *Gene.* 1994 Jun 24;144(1):69-73.  
PMID: 8026760 [PubMed - indexed for MEDLINE]

34: Chang SY, Tsai PC, Tseng CS, Liang PH. Related Articles. Link  
Refolding and characterization of a yeast dehydrololichyl diphosphate synthase overexpressed in Escherichia coli. *Protein Expr Purif.* 2001 Dec;23(3):432-9.  
PMID: 11722180 [PubMed - indexed for MEDLINE]

35: Hayhurst A. Related Articles. Link  
Improved expression characteristics of single-chain Fv fragments when fused downstream of the Escherichia coli maltose-binding protein or upstream of a single immunoglobulin-constant domain. *Protein Expr Purif.* 2000 Feb;18(1):1-10.  
PMID: 10648163 [PubMed - indexed for MEDLINE]

36: Han BG, Ma XK, Meng L, Song XG, Peng SY, Wang JX, Ling SG. Related Articles. Link  
Thioredoxin fusion/HIV-1 protease coexpression system for production of

 soluble human IL6 in *E. coli* cytoplasm.  
Biochem Mol Biol Int. 1998 Nov;46(4):839-46.  
PMID: 9844745 [PubMed - indexed for MEDLINE]

Γ 37: Zouhar J, Nanak E, Brzobohaty B. Related Articles, Link

 Expression, single-step purification, and matrix-assisted refolding of a maize cytokinin glucoside-specific beta-glucosidase.  
Protein Expr Purif. 1999 Oct;17(1):153-62.  
PMID: 10497081 [PubMed - indexed for MEDLINE]

Γ 38: Alexandrov A, Dutta K, Pascal SM. Related Articles, Link

 MBP fusion protein with a viral protease cleavage site: one-step cleavage/purification of insoluble proteins.  
Biotechniques. 2001 Jun;30(6):1194-8. No abstract available.  
PMID: 11414203 [PubMed - indexed for MEDLINE]

Γ 39: Davis GD, Elisee C, Newham DM, Harrison RG. Related Articles, Link

 New fusion protein systems designed to give soluble expression in *Escherichia coli*.  
Biotechnol Bioeng. 1999 Nov 20;65(4):382-8.  
PMID: 10506413 [PubMed - indexed for MEDLINE]

Γ 40: Reddy A, Grimwood BG, Plummer TH, Tarentino AI.. Related Articles, Link

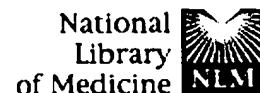
 High-level expression of the Endo-beta-N-acetylglucosaminidase F2 gene in *E.coli*: one step purification to homogeneity.  
Glycobiology. 1998 Jun;8(6):633-6.  
PMID: 9592130 [PubMed - indexed for MEDLINE]

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The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).  
  
=> s l101 and proline? and (N (w) termin) and (C (w) termin)  
) IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).  
  
=> s l101 and proline? and N- (w) termin? and C- (w) termin?  
L102 0 FILE ADISCTI  
L103 0 FILE ADISINSIGHT  
L104 0 FILE ADISNEWS  
L105 0 FILE AGRICOLA  
L106 0 FILE ANABSTR  
L107 0 FILE AQUASCI  
L108 0 FILE BIOBUSINESS  
L109 0 FILE BIOCOMMERCE  
L110 0 FILE BIOSIS  
L111 0 FILE BIOTECHDS  
L112 0 FILE BIOTECHNO  
L113 0 FILE CABA  
L114 0 FILE CANCERLIT  
L115 1 FILE CAPLUS  
L116 0 FILE CEABA-VTB  
L117 0 FILE CEN  
L118 0 FILE CIN  
L119 0 FILE CONFSCI  
L120 0 FILE CROPB  
L121 0 FILE CROPU  
L122 0 FILE DGENE  
L123 0 FILE DRUGB  
L124 0 FILE DRUGLAUNCH  
L125 0 FILE DRUGMONOG2  
L126 0 FILE DRUGNL  
L127 0 FILE DRUGU  
L128 0 FILE DRUGUPDATES  
L129 0 FILE EMBAL  
L130 0 FILE EMBASE  
L131 0 FILE ESBIOBASE  
L132 0 FILE FEDRIP  
L133 0 FILE FOMAD  
L134 0 FILE FOREGE  
L135 0 FILE FROSTI  
L136 0 FILE FSTA  
L137 7 FILE GENBANK  
L138 0 FILE HEALSAFE  
L139 0 FILE IFIPAT  
L140 0 FILE JICST-EPLUS  
L141 0 FILE KOSMET

L142 0 FILE LIFESCI  
L143 0 FILE MEDICONF  
L144 0 FILE MEDLINE  
L145 0 FILE NIOSHTIC  
L146 0 FILE NTIS  
L147 0 FILE NUTRACEUT  
L148 0 FILE OCEAN  
TERM 'PRO?' EXCEEDED TRUNCATION LIMITS - SEARCH ENDED  
L149 0 FILE PCTGEN  
L150 0 FILE PHAR  
L151 0 FILE PHARMAML  
L152 0 FILE PHIC  
L153 0 FILE PHIN  
L154 0 FILE PROMT  
L155 0 FILE RDISCLOSURE  
L156 0 FILE SCISEARCH  
L157 0 FILE SYNTHLINE  
L158 0 FILE TOXCENTER  
L159 1182 FILE USPATFULL  
L160 29 FILE USPAT2  
L161 0 FILE VETB  
L162 0 FILE VETU  
L163 0 FILE WPIDS  
L164 0 FILE ALUMINIUM  
L165 0 FILE APOLLIT  
L166 0 FILE AQUIRE  
L167 0 FILE BABS  
L168 0 FILE CAOLD  
L169 0 FILE CBNB  
L170 0 FILE CERAB  
L171 0 FILE COMPENDEX  
L172 0 FILE COPPERLIT  
L173 0 FILE CORROSION  
L174 0 FILE ENCOMPLIT2  
L175 0 FILE INSPEC  
L176 0 FILE INSPHYS  
L177 0 FILE INVESTTEXT  
L178 0 FILE IPA  
L179 0 FILE METADEX  
L180 0 FILE NAPRALERT  
L181 0 FILE PAPERCHEM2  
L182 0 FILE RAPRA  
L183 0 FILE RUSSCI  
L184 0 FILE STANDARDS  
L185 0 FILE TULSA  
L186 0 FILE TULSA2  
L187 0 FILE USAN  
L188 0 FILE WELDASEARCH  
L189 0 FILE WSCA

TOTAL FOR ALL FILES

L190 1219 L101 AND PROLINE? AND N- (W) TERMIN? AND C- (W) TERMIN?  
You have entered a truncated stem which occurs in too many terms.  
Make the stem longer and try again. For example, if your original  
term was 'degr?' to search for variations and the abbreviation for  
'degradation', you could replace it with the expression '(degrdn OR  
degrad?)'. If your search term was numeric, e.g., 'C>5', reduce the  
size of the range.

=> s 1190 and (PROLINE? AND fusion? (s) (N- (W) TERMIN? AND C- (W) TERMIN?))  
PROXIMITY OPERATION NOT ALLOWED

Certain operators may not be nested in combination with other  
operators. A nested operator is valid only when it occurs at the same  
level or above the operator outside the nested phrase as determined by  
the following precedence list:

1. Numeric
2. (W), (NOTW), (A), (NOTA)
3. (S), (NOTS)
4. (P), (NOTP)
5. (L), (NOTL)
6. AND, NOT
7. OR

For example, '(MONOCLONAL(W)ANTIBOD?)(L)ANTIGEN?' is valid since (W) is above (L) on the precedence list. However, '((THIN(W)LAYER)(L)PHOSPHOLIPID#)(A)LACTONE#' is not valid since (L) is below (A) on the precedence list. The only exception is the 'OR' operator. This operator may be used in combination with any other operator. For example, '(ATOMIC OR NUCLEAR)(W)REACTOR' is valid.

=> s l190 and (PROLINE? AND fusion? (s) N- (W) TERMIN? (s) C- (W) TERMIN?)

```

L191      0 FILE ADISCTI
L192      0 FILE ADISINSIGHT
L193      0 FILE ADISNEWS
L194      0 FILE AGRICOLA
L195      0 FILE ANABSTR
L196      0 FILE AQUASCI
L197      0 FILE BIOBUSINESS
L198      0 FILE BIOCOMMERCE
L199      0 FILE BIOSIS
L200      0 FILE BIOTECHDS
L201      0 FILE BIOTECHNO
L202      0 FILE CABA
L203      0 FILE CANCERLIT
L204      0 FILE CAPLUS
L205      0 FILE CEABA-VTB
L206      0 FILE CEN
L207      0 FILE CIN
L208      0 FILE CONFSCI
L209      0 FILE CROPB
L210      0 FILE CROPU
L211      0 FILE DGENE
L212      0 FILE DRUGB
L213      0 FILE DRUGLAUNCH
L214      0 FILE DRUGMONOG2
L215      0 FILE DRUGNL
L216      0 FILE DRUGU
L217      0 FILE DRUGUPDATES
L218      0 FILE EMBAL
L219      0 FILE EMBASE
L220      0 FILE ESBIOBASE

```

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
 FIELD CODE - 'AND' OPERATOR ASSUMED 'FUSION? (S) N-'  
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
 FIELD CODE - 'AND' OPERATOR ASSUMED 'TERMIN? (S) C-'

```

L221      0 FILE FEDRIP
L222      0 FILE FOMAD
L223      0 FILE FOREGE
L224      0 FILE FROSTI
L225      0 FILE FSTA
L226      3 FILE GENBANK
L227      0 FILE HEALSAFE
L228      0 FILE IFIPAT
L229      0 FILE JICST-EPLUS
L230      0 FILE KOSMET
L231      0 FILE LIFESCI
L232      0 FILE MEDICONF
L233      0 FILE MEDLINE
L234      0 FILE NIOSHTIC

```

L235 0 FILE NTIS  
L236 0 FILE NUTRACEUT  
L237 0 FILE OCEAN  
TERM 'PRO?' EXCEEDED TRUNCATION LIMITS - SEARCH ENDED  
L238 0 FILE PCTGEN  
L239 0 FILE PHAR  
L240 0 FILE PHARMAML  
L241 0 FILE PHIC  
L242 0 FILE PHIN  
L243 0 FILE PROMT  
L244 0 FILE RDISCLOSURE  
L245 0 FILE SCISEARCH  
L246 0 FILE SYNTHLINE  
L247 0 FILE TOXCENTER  
L248 615 FILE USPATFULL  
L249 22 FILE USPAT2  
L250 0 FILE VETB  
L251 0 FILE VETU  
L252 0 FILE WPIDS  
L253 0 FILE ALUMINIUM  
L254 0 FILE APOLLIT  
L255 0 FILE AQUIRE  
L256 0 FILE BABS  
L257 0 FILE CAOLD  
L258 0 FILE CBNB  
L259 0 FILE CERAB  
L260 0 FILE COMPENDEX  
L261 0 FILE COPPERLIT  
L262 0 FILE CORROSION  
L263 0 FILE ENCOMPLIT2  
L264 0 FILE INSPEC  
L265 0 FILE INSPHYS  
L266 0 FILE INVESTTEXT  
L267 0 FILE IPA  
L268 0 FILE METADEX  
L269 0 FILE NAPRALERT  
L270 0 FILE PAPERCHEM2  
L271 0 FILE RAPRA  
L272 0 FILE RUSSCI  
L273 0 FILE STANDARDS  
L274 0 FILE TULSA  
L275 0 FILE TULSA2  
L276 0 FILE USAN  
L277 0 FILE WELDASEARCH  
L278 0 FILE WSCA

TOTAL FOR ALL FILES

L279 640 L190 AND (PROLINE? AND FUSION? (S) N- (W) TERMIN? (S) C- (W)  
TERMIN?)

You have entered a truncated stem which occurs in too many terms.  
Make the stem longer and try again. For example, if your original  
term was 'degr?' to search for variations and the abbreviation for  
'degradation', you could replace it with the expression '(degrdn OR  
degrad?)'. If your search term was numeric, e.g., 'C>5', reduce the  
size of the range.

=> dup rem 1279

DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOPMERCE, DGENE,  
DRUGLAUNCH, DRUGMONOG2, DRUGUPDATES, FEDRIP, FOREGE, GENBANK, KOSMET,  
MEDICONF, NUTRACEUT, PCTGEN, PHAR, PHARMAML, RDISCLOSURE, SYNTHLINE, AQUIRE,  
CAOLD, INVESTTEXT, STANDARDS, USAN'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L279

L280 618 DUP REM L279 (22 DUPLICATES REMOVED)

```
=> s 1280 and pro-pro
L281      0 S L280
L282      0 FILE ADISCTI
L283      0 S L280
L284      0 FILE ADISINSIGHT
L285      0 S L280
L286      0 FILE ADISNEWS
L287      0 S L280
L288      0 FILE AGRICOLA
L289      0 S L280
L290      0 FILE ANABSTR
L291      0 S L280
L292      0 FILE AQUASCI
L293      0 S L280
L294      0 FILE BIOBUSINESS
L295      0 S L280
L296      0 FILE BIOCOMMERCE
L297      0 S L280
L298      0 FILE BIOSIS
L299      0 S L280
L300      0 FILE BIOTECHDS
L301      0 S L280
L302      0 FILE BIOTECHNO
L303      0 S L280
L304      0 FILE CABA
L305      0 S L280
L306      0 FILE CANCERLIT
L307      0 S L280
L308      0 FILE CAPLUS
L309      0 S L280
L310      0 FILE CEABA-VTB
L311      0 S L280
L312      0 FILE CEN
L313      0 S L280
L314      0 FILE CIN
L315      0 S L280
L316      0 FILE CONFSCI
L317      0 S L280
L318      0 FILE CROPB
L319      0 S L280
L320      0 FILE CROPU
L321      0 S L280
L322      0 FILE DGENE
L323      0 S L280
L324      0 FILE DRUGB
L325      0 S L280
L326      0 FILE DRUGLAUNCH
L327      0 S L280
L328      0 FILE DRUGMONOG2
L329      0 S L280
L330      0 FILE DRUGNL
L331      0 S L280
L332      0 FILE DRUGU
L333      0 S L280
L334      0 FILE DRUGUPDATES
L335      0 S L280
L336      0 FILE EMBAL
L337      0 S L280
L338      0 FILE EMBASE
L339      0 S L280
L340      0 FILE ESBIOBASE
L341      0 S L280
L342      0 FILE FEDRIP
L343      0 S L280
L344      0 FILE FOMAD
```

L345 0 S L280  
L346 0 FILE FOREGE  
L347 0 S L280  
L348 0 FILE FROSTI  
L349 0 S L280  
L350 0 FILE FSTA  
L351 3 S L280  
L352 0 FILE GENBANK  
L353 0 S L280  
L354 0 FILE HEALSAFE  
L355 0 S L280  
L356 0 FILE IFIPAT  
L357 0 S L280  
L358 0 FILE JICST-EPLUS  
L359 0 S L280  
L360 0 FILE KOSMET  
L361 0 S L280  
L362 0 FILE LIFESCI  
L363 0 S L280  
L364 0 FILE MEDICONF  
L365 0 S L280  
L366 0 FILE MEDLINE  
L367 0 S L280  
L368 0 FILE NIOSHTIC  
L369 0 S L280  
L370 0 FILE NTIS  
L371 0 S L280  
L372 0 FILE NUTRACEUT  
L373 0 S L280  
L374 0 FILE OCEAN  
L375 0 S L280  
L376 0 FILE PASCAL  
L377 0 S L280  
L378 0 FILE PCTGEN  
L379 0 S L280  
L380 0 FILE PHAR  
L381 0 S L280  
L382 0 FILE PHARMAML  
L383 0 S L280  
L384 0 FILE PHIC  
L385 0 S L280  
L386 0 FILE PHIN  
L387 0 S L280  
L388 0 FILE PROMT  
L389 0 S L280  
L390 0 FILE RDISCLOSURE  
L391 0 S L280  
L392 0 FILE SCISEARCH  
L393 0 S L280  
L394 0 FILE SYNTHLINE  
L395 0 S L280  
L396 0 FILE TOXCENTER  
L397 615 S L280  
L398 387 FILE USPATFULL  
L399 0 S L280  
L400 0 FILE USPAT2  
L401 0 S L280  
L402 0 FILE VETB  
L403 0 S L280  
L404 0 FILE VETU  
L405 0 S L280  
L406 0 FILE WPIDS  
L407 0 S L280  
L408 0 FILE ALUMINIUM  
L409 0 S L280

L410 0 FILE APOLLIT  
L411 0 S L280  
L412 0 FILE AQUIRE  
L413 0 S L280  
L414 0 FILE BABS  
L415 0 S L280  
L416 0 FILE CAOLD  
L417 0 S L280  
L418 0 FILE CBNB  
L419 0 S L280  
L420 0 FILE CERAB  
L421 0 S L280  
L422 0 FILE COMPENDEX  
L423 0 S L280  
L424 0 FILE COPPERLIT  
L425 0 S L280  
L426 0 FILE CORROSION  
L427 0 S L280  
L428 0 FILE ENCOMPLIT2  
L429 0 S L280  
L430 0 FILE INSPEC  
L431 0 S L280  
L432 0 FILE INSPHYS  
L433 0 S L280  
L434 0 FILE INVESTEXT  
L435 0 S L280  
L436 0 FILE IPA  
L437 0 S L280  
L438 0 FILE METADEX  
L439 0 S L280  
L440 0 FILE NAPRALERT  
L441 0 S L280  
L442 0 FILE PAPERCHEM2  
L443 0 S L280  
L444 0 FILE RAPRA  
L445 0 S L280  
L446 0 FILE RUSSCI  
L447 0 S L280  
L448 0 FILE STANDARDS  
L449 0 S L280  
L450 0 FILE TULSA  
L451 0 S L280  
L452 0 FILE TULSA2  
L453 0 S L280  
L454 0 FILE USAN  
L455 0 S L280  
L456 0 FILE WELDASEARCH  
L457 0 S L280  
L458 0 FILE WSCA

TOTAL FOR ALL FILES

L459 387 L280 AND PRO-PRO

=> s 1459 and (pro-pro- and (small (w) stabl?))  
L460 0 FILE ADISCTI  
L461 0 FILE ADISINSIGHT  
L462 0 FILE ADISNEWS  
L463 0 FILE AGRICOLA  
L464 0 FILE ANABSTR  
L465 0 FILE AQUASCI  
L466 0 FILE BIOBUSINESS  
L467 0 FILE BIOCOPMERC  
L468 0 FILE BIOSIS  
L469 0 FILE BIOTECHDS  
L470 0 FILE BIOTECHNO

L471 0 FILE CABA  
L472 0 FILE CANCERLIT  
L473 0 FILE CAPLUS  
L474 0 FILE CEABA-VTB  
L475 0 FILE CEN  
L476 0 FILE CIN  
L477 0 FILE CONFSCI  
L478 0 FILE CROPB  
L479 0 FILE CROPU  
L480 0 FILE DGENE  
L481 0 FILE DRUGB  
L482 0 FILE DRUGLAUNCH  
L483 0 FILE DRUGMONOG2  
L484 0 FILE DRUGNL  
L485 0 FILE DRUGU  
L486 0 FILE DRUGUPDATES  
L487 0 FILE EMBAL  
L488 0 FILE EMBASE  
L489 0 FILE ESBIOBASE  
L490 0 FILE FEDRIP  
L491 0 FILE FOMAD  
L492 0 FILE FOREGE  
L493 0 FILE FROSTI  
L494 0 FILE FSTA  
L495 0 FILE GENBANK  
L496 0 FILE HEALSAFE  
L497 0 FILE IFIPAT  
L498 0 FILE JICST-EPLUS  
L499 0 FILE KOSMET  
L500 0 FILE LIFESCI  
L501 0 FILE MEDICONF  
L502 0 FILE MEDLINE  
L503 0 FILE NIOSHTIC  
L504 0 FILE NTIS  
L505 0 FILE NUTRACEUT  
L506 0 FILE OCEAN  
L507 0 FILE PASCAL  
L508 0 FILE PCTGEN  
L509 0 FILE PHAR  
L510 0 FILE PHARMAML  
L511 0 FILE PHIC  
L512 0 FILE PHIN  
L513 0 FILE PROMT  
L514 0 FILE RDISCLOSURE  
L515 0 FILE SCISEARCH  
L516 0 FILE SYNTHLINE  
L517 0 FILE TOXCENTER  
L518 7 FILE USPATFULL  
L519 0 FILE USPAT2  
L520 0 FILE VETB  
L521 0 FILE VETU  
L522 0 FILE WPIDS  
L523 0 FILE ALUMINIUM  
L524 0 FILE APOLLIT  
L525 0 FILE AQUIRE  
L526 0 FILE BABS  
L527 0 FILE CAOLD  
L528 0 FILE CBNB  
L529 0 FILE CERAB  
L530 0 FILE COMPENDEX  
L531 0 FILE COPPERLIT  
L532 0 FILE CORROSION  
L533 0 FILE ENCOMPLIT2  
L534 0 FILE INSPEC  
L535 0 FILE INSPHYS

L536 0 FILE INVESTTEXT  
L537 0 FILE IPA  
L538 0 FILE METADEX  
L539 0 FILE NAPRALERT  
L540 0 FILE PAPERCHEM2  
L541 0 FILE RAPRA  
L542 0 FILE RUSSCI  
L543 0 FILE STANDARDS  
L544 0 FILE TULSA  
L545 0 FILE TULSA2  
L546 0 FILE USAN  
L547 0 FILE WELDASEARCH  
L548 0 FILE WSCA

TOTAL FOR ALL FILES

L549 7 L459 AND (PRO-PRO- AND (SMALL (W) STABL?))

=> d 1549 ibib abs

L549 ANSWER 1 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:238122 USPATFULL  
TITLE: Minicell-based transfection  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003166279	A1	20030904
APPLICATION INFO.:	US 2002-157391	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	

NUMBER OF CLAIMS:

18

EXEMPLARY CLAIM:

1

NUMBER OF DRAWINGS:

2 Drawing Page(s)

LINE COUNT:

18548

AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

=> d 1549 1-7 ibib abs

L549 ANSWER 1 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:238122 USPATFULL  
TITLE: Minicell-based transfection  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003166279	A1	20030904
APPLICATION INFO.:	US 2002-157391	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18548	

AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

L549 ANSWER 2 OF 7 USPATFULL on STN

ACCESSION NUMBER:	2003:237942 USPATFULL	
TITLE:	Minicells comprising membrane proteins	
INVENTOR(S):	Sabbadini, Roger A., Lakeside, CA, UNITED STATES Surber, Mark W., Coronado, CA, UNITED STATES Berkley, Neil, San Diego, CA, UNITED STATES Segall, Anca M., San Diego, CA, UNITED STATES Klepper, Robert, San Diego, CA, UNITED STATES	

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003166099	A1	20030904
APPLICATION INFO.:	US 2002-157305	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295566P	20010605 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18580	
AB	The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.	

L549 ANSWER 3 OF 7 USPATFULL on STN

ACCESSION NUMBER:	2003:207204 USPATFULL	
TITLE:	Structurally biased random peptide libraries based on different scaffolds	
INVENTOR(S):	Anderson, David, San Bruno, CA, UNITED STATES Peelle, Beau Robert, Locust Valley, NY, UNITED STATES Bogenberger, Jakob Maria, San Francisco, CA, UNITED STATES	
PATENT ASSIGNEE(S):	Rigel Pharmaceuticals, Inc. (non-U.S. corporation)	

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003143562	A1	20030731
APPLICATION INFO.:	US 2002-177725	A1	20020620 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1999-415765, filed on 8 Oct 1999, PENDING Continuation-in-part of Ser. No. US 1998-169015, filed on 8 Oct 1998, GRANTED, Pat. No. US 6180343

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Robin M. Silva, Esq., DORSEY & WHITNEY LLP, Suite 3400, Four Embarcadero Center, San Francisco, CA, 94111

NUMBER OF CLAIMS: 35

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 9 Drawing Page(s)

LINE COUNT: 6442

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of scaffold **proteins**, particularly green fluorescent **protein** (GFP), in **fusion** constructs with random and defined **peptides** and **peptide** libraries, to increase the cellular expression levels, decrease the cellular catabolism, increase the conformational **stability** relative to linear **peptides**, and to increase the steady state concentrations of the library **peptides** and **peptide** library members expressed in cells for the purpose of detecting the presence of the **peptides** and screening **peptide** libraries. **N-terminal**, **C-terminal**, dual **N-** and **C-terminal** and one or more internal **fusions** are all contemplated. Novel **fusions** utilizing self-binding **peptides** to create a conformationally **stabilized fusion** domain are also contemplated.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L549 ANSWER 4 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:129823 USPATFULL

TITLE: **Fusions** of scaffold proteins with random peptide libraries

INVENTOR(S): Anderson, David, San Bruno, CA, United States  
Peelle, Beau Robert, San Francisco, CA, United States  
Bogenberger, Jakob Maria, San Mateo, CA, United States

PATENT ASSIGNEE(S): Rigel Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6562617	B1	20030513
APPLICATION INFO.:	US 2000-626580		20000727 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-415765, filed on 8 Oct 1999 Continuation-in-part of Ser. No. US 1998-169015, filed on 8 Oct 1998, now patented, Pat. No. US 6180343		

DOCUMENT TYPE: Utility

FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Brusca, John S.

NUMBER OF CLAIMS: 21

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 14 Drawing Figure(s); 8 Drawing Page(s)

LINE COUNT: 4327

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of scaffold **proteins**, particularly green fluorescent **protein** (GFP), in **fusion** constructs with random and defined **peptides** and **peptide** libraries, to increase the cellular expression levels, decrease the cellular catabolism, increase the conformational **stability** relative to linear **peptides**, and to increase the steady state concentrations of the random **peptides** and random **peptide** library members expressed in cells for the purpose of detecting the presence of the **peptides** and

screening random **peptide** libraries. N-terminal, C-terminal, dual N- and C-terminal and one or more internal **fusions** are all contemplated. Novel **fusions** utilizing self-binding **peptides** to create a conformationally **stabilized** **fusion** domain are also contemplated.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L549 ANSWER 5 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:102442 USPATFULL  
TITLE: **Fusions** of scaffold proteins with random peptide libraries  
INVENTOR(S): Anderson, David, San Bruno, CA, United States  
Peelle, Beau Robert, San Francisco, CA, United States  
Bogenberger, Jakob Maria, San Mateo, CA, United States  
PATENT ASSIGNEE(S): Rigel Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 6548632	B1	20030415
APPLICATION INFO.: US 1999-415765		19991008 (9)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1998-169015, filed on 8 Oct 1998, now patented, Pat. No. US 6180343		

DOCUMENT TYPE: Utility

FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Brusca, John S.

NUMBER OF CLAIMS: 25

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 14 Drawing Figure(s); 8 Drawing Page(s)

LINE COUNT: 4469

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of scaffold **proteins**, particularly green fluorescent **protein** (GFP), in **fusion** constructs with random and defined **peptides** and **peptide** libraries, to increase the cellular expression levels, decrease the cellular catabolism, increase the conformational **stability** relative to linear **peptides**, and to increase the steady state concentrations of the random **peptides** and random **peptide** library members expressed in cells for the purpose of detecting the presence of the **peptides** and screening random **peptide** libraries. N-terminal, C-terminal, dual N- and C-terminal and one or more internal **fusions** are all contemplated. Novel **fusions** utilizing self-binding **peptides** to create a conformationally **stabilized** **fusion** domain are also contemplated.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L549 ANSWER 6 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:102234 USPATFULL  
TITLE: **Fusions** of scaffold proteins with random peptide libraries  
INVENTOR(S): Anderson, David, San Bruno, CA, United States  
Peelle, Beau Robert, San Francisco, CA, United States  
Bogenberger, Jakob Maria, San Mateo, CA, United States  
PATENT ASSIGNEE(S): Rigel Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 6548249	B1	20030415
APPLICATION INFO.: US 2000-626581		20000727 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1999-415765, filed on 8 Oct 1999 Continuation-in-part of Ser. No. US 1998-169015, filed on 8 Oct 1998, now patented, Pat. No. US 6180343

DOCUMENT TYPE: Utility

FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Brusca, John S.

NUMBER OF CLAIMS: 33

EXEMPLARY CLAIM: 29

NUMBER OF DRAWINGS: 14 Drawing Figure(s); 8 Drawing Page(s)

LINE COUNT: 4415

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of scaffold **proteins**, particularly green fluorescent **protein** (GFP), in fusion constructs with random and defined **peptides** and **peptide** libraries, to increase the cellular expression levels, decrease the cellular catabolism, increase the conformational **stability** relative to linear **peptides**, and to increase the steady state concentrations of the random **peptides** and random **peptide** library members expressed in cells for the purpose of detecting the presence of the **peptides** and screening random **peptide** libraries. N-terminal, C-terminal, dual N- and C-terminal and one or more internal fusions are all contemplated. Novel fusions utilizing self-binding **peptides** to create a conformationally **stabilized** fusion domain are also contemplated.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L549 ANSWER 7 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:23733 USPATFULL

TITLE: Polymerase kappa compositions and methods thereof

INVENTOR(S): Friedberg, Errol C., Dallas, TX, UNITED STATES  
Gerlach, Valerie, Branford, CT, UNITED STATES  
Feaver, William J., Branford, CT, UNITED STATES

PATENT ASSIGNEE(S): Board of Regents, The University of Texas system (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003017573	A1	20030123
APPLICATION INFO.:	US 2001-971101	A1	20011004 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-238289P	20001004 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Gina N. Shishima, Fulbright & Jaworski L.L.P., Suite 2400, 600 Congress Avenue, Austin, TX, 78701	
NUMBER OF CLAIMS:	76	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	7042	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention concerns compositions and methods involving mammalian polymerase kappa, an enzyme with limited fidelity and moderate processivity. Methods of modulating polymerase kappa activity, such as inhibiting or reducing its activity, as a means of effecting a cancer treatment or preventative agent are provided, both by itself and in combination with other anti-cancer therapies. Also described are methods of screening involving assaying for polymerase kappa activity or expression, in addition to methods of screening for modulators of polymerase kappa to identify anti-cancer compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.